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(Sorbic acid)

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Research centers of the chemistry and technology of food in Polani. p. 63.

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ZAGRODZKI, S.; NIEDZIELSKI, Z.

Determination of water in products and intermediary material by the modified K. Fisher method. p. 150.

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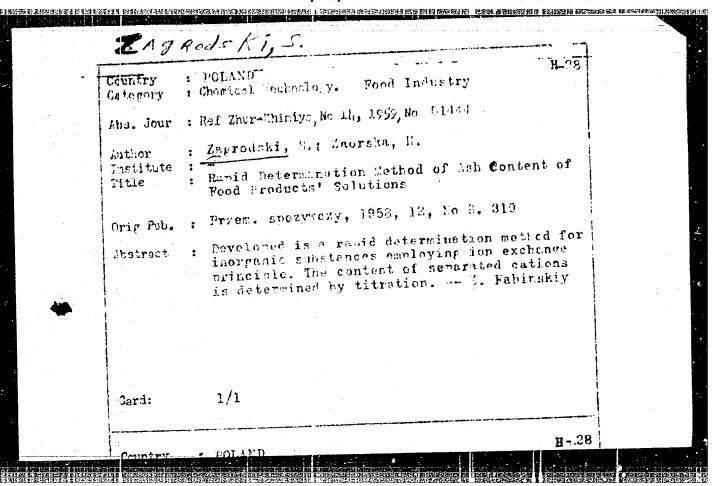
ZACHODZKI, S.; ZAORSKI, H.

Determination of sugar losses in lime cake. p. 259.

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ZACRODZKI, S H-26 : Poland COUNTRY CATEGORY .: 58724 ABS. JOUR.: RZKhim., No. 16 1959, No. : Produkt S., Niedzielski, Z., and Walerianczyk, E. d 240i. : Not given IN 51' : Investigation of Filter Cloths TITLE ORIG. PUB.: Gaz Cukrown, 60, No 11, 342-345 (1958) : The authors present results from comparison tests made for the purpose of evaluating various types ABSTRACT of cloth used in the filtration of the juices at sugar plants. Nylon, linen, viscose, cotton, and jute cloths were compared and their properties are described. Among the variables studied were filtration rate, turbidity of the filtrate, adhesion of the cake, and resistance to tear. Nylon cloth was found to be best sunted, followed by linen, viscose, cotton, jute, and glass cloth, in that order. D. Bronshteyn 1/1 CAFD:



POLAND : Chemical Technology. Chemical Products and Their COUNTRY CATERORY Applications. Carbohydrates and Their Processing. : RZhKhim., No 17, 1959, No. 62447 ABS, JCUR. : Szarejko, R.; Zagrodzki, S.; Dobrycki, J. AUTHOR : Effects of Calcium Carbonate and of Saturated INSULTUIE Residue on the Increase of Juice Color During* MIL Roczn. technol. i chem. zywn., 1957, 2, 101-112 ORIG. PUB. : Presented are analysis techniques and results of ABB'IRACT investigations conducted in laboratory and in commercial installations pertaining to the effects of CaCO3 particles and of the saturated residue on the increased coloration of the evaporated juice and on the fouling of evaporator heat transfer surfaces. It is proved that in the presence of CaCO3 particles, the juice does not darken which is explained by the adsorption of coloring compounds present in the juice and formed during the *the Evaporation and on Fouling of the Heating Surfaces in Evaporators. Card: 1/2 H - 107

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COUNTRY :

: RZhKhim., No 17, 1959, No. 62447

AUTHOR : INSTITUTE : TIPLE :

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ABSTRACT Con'd evaporation step by CaCO3. Steam bubbles, formed near CaCO3 particles, prevent local overheating of the juice and caramelization of sugar. CaCO3 tends to bind certain decomposition products of sugar that cause darkening of the juice. Effects of the saturated residue is analogical, and sometimes more favorable, than that of chemically nure chalk. The evaporation of juices and of clarified liquors, containg CaCO3 particles and residue, does not present difficulties.

—— D. Bronshteyn.

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Card:

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: Chemical Cachnology. Chemical Products (Part 3) Country Corbonyerates and Their Processing Catogory Abs. Jour. : Ref Zwir-Main, 1989, No 7, 25053 ; Zagrodzki, S. Author : Principles of the Automatic Regulation of an Institut. Title Evaporating Station. : Gaz. cukrown., 1958, 60, No. 4, 105-108 Oris Pub. : A plan is described for the automatic regulation of a multiple evaporating station of a Abstract suger plant having a capacity of 2,400 tone of sugar beet within 2h nes.; the plan is based upon the constancy of the sacond phase steam temperature and on the regulation of certain parameters of the station, depending upon the requirements of the evoduction. Problem of the regulation of the steam supply, the lovel, the supply and the specific gravity of the juice, 1/2Cara:

THE TRANSPORT BURNESS AND THE PROPERTY OF THE GDR / Chemical Technology. Chemical Products and Their Application. (Part 1) Conditioning of Water. Waste Water. : Ref Zhur - Khimiya, No 10, 1959, No. 35321 Abs Jour : Zagrodzki, Stanislav; Zaorska, Helena Author: : Determination of Low Salt Content in Purified Water for Inst Title: Boiler Feeding ; Chem. Techn., 1958, 10, No 4, 210-212 Orig Pub Abstract : The flame photometric method, permitting continuous supervision, is considered as the most promising method. It is indispensable to ensure a continuous inflow of the sample and a constant pressure of gas in the turner when using regular flame photometers with monochromators or with a corresponding set of light filters. It is possible to use a preliminary concentration of samples to increase the sensitivity of measurements. It is shown Card 1/2

POLANI) / Chemical Technology. Chemical Products and Their Application. (Part 1) Conditioning of Water. Waste Water.

: Ref Zhur - Khimiya, No 10, 1959, No. 35322 Abs Jour

: Zagrodzki, S.; Zaorska, H. Author'

: Determination of Low Salt Content in Purified Water for Not givon Inst

Title Boiler Fooding

: Przem. spozywczy, 1958, 12, No 8, 318-319 Orig Pub

: No abstract given. A brief account. See proceding Abstract

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Card 1/1

ZAGRODZKI, S.

TECHNOLOGY

Periodicals: GAZETA CUKROWNICZA. Vol. 60, no. 10, Oct. 1958

ZAGRODZKI, S. Automation in the sugar industry. p. 301

Monthly List of East European Accessions (EEAI) IC, Vol.8, No. 2, Bebruary 1959, Unclass.

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POLAND / Chemical Technology. Chemical Products and Their Applications. Carbohydrates and Their Processing.

Abs Jour: Ref Zhur-Khimiya, 1959, No. 4, 13386.

Author : Zagrodzki, Stanislaw.
Inst : Not given: : Influence of Juice Circulation on the Rate of the

Title Diffusion Process.

Orig Pub: Roczn. technol. i chem. zywn., 1957, 1, 19-26.

Abstract: By laboratory experiments and theoretical calculations, it was established that the rate of sugar diffusion (V) of garden beet cossettes is influenced

by an addition current (X) of sugar diffusion through the inactive layer of the juice which encircles the cossettes and, consequently, the Fikka equation can be represented in the form

Card 1/2

107

POLAND / Chemical Technology. Chemical Products and Their Applications. Carbohydrates and Their Processing.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13402.

Author : Zagrodzki, Stanislaw: Dobrzycki, Jan; Zaorska,

Helena.

Henry by the complete the complete of the complete of the complete complete complete of the co

: Investigation of the Functioning of the Continuous-Inst : Not given. Process Diffuser Appliance of the "Olive" System. Title

Orig Pub: Gaz. cukrown., 1958, 40, No 3, 71-77.

Abstract: On the basis of measurements made, the dosage, course of diffusion, quality of juice (rate, microbiological evaluation, pH), corrosion of the apparatus are described. Material and heat equilibria are cited, as well as data characterizing the hydraulic resistances. On the whole,

Card 1/2

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POLAND / Chemical Technology, Chemical Products and Their

H-25

Application. Part 3 - Carbohydrates and Their Treatment.

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12736.

: Stanislaw Zagrodski, Helena Zaorska. Author

Not given Inst

: Determination of Calcium Salt Content in Sugar Juices by Title Simplified Versenate Method.

Orig Pub: Gaz. cukrown., 1956, 38, No 11, 282 - 284.

Abstract: A simplified method with less reagents. A table of direct calcium salt contents in mg of CaO Her 100°Br for a rapid determination of the optimum alkalinity of a 2nd saturation juice.

Card 1/1

F-25

POLAND / Chemical Technology, Chemical Products and Their Application. Part 3 - Carbohydrates and Their Treatment.

Abs Jour: Ref. Zhur. Khimiya, No 4, 1958, 12735.

: Stanislaw Zagrodski, Zofia Niwinska. Author

: Not given. Inst

: Determination of Calcium Salt Content in Sugar Juices and Products by New Versenate Method Title

Orig Pub : Gaz. cukrown., 1956, 58, No 2, 35 - 38.

Abstract : In consequence of the coloration, the solutions are titrated by the reverse method. A buffer (NHLOH + NHLC1) is added to the solution up to pH = 8 to 10 together with an excessive amount of a titrated versenate solution; the indicator chromate black and the excessive versenate are titrated

Card 1/2

CIA-RDP86-00513R001963420010-5" APPROVED FOR RELEASE: 03/15/2001

ZAGRODZKI, S. , WALERIANCZYK, E.

Mechanical purification of diffused and extracted waters to be returned for diffusion. p, 51.

RCCZNIKI TECHNOLOGII I CHEMII ZYWNOSCI. ANNALS OF ROCD TECHNOLOGY AND CHEMISTRY. (Folska Akademis Nauk. Komitet Technologii i Chemii Zywnosci) Warszawa, Poland. Vol. 3, 1958.

Monthly List of East European accession (SEAI), LC. Vol. 8, No. 9, September, 1959. Uncl.

ZNGRODZKI, W.

The future of inland harbors.

p. 297 (Technika I Gospodarka Morska) Vol. 7, No. 10, Oct. 1957, Gdansk , Poland

SB: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EFAI) LC, VOL. 7, NO. 1, JAN. 1958

ZAGRODZKI, Waclaw, Kapitan zeglugi wielkiej (Gdynia)

General average. Techn gosp morska 12 ro.2:51 '62.

LYALIKOV, A.S.; ZAGROMOV, Yu.A.; YERSHOVA, L.S.

Experimental data on the dissipation power of the additional resistances of electric measuring instruments (under conditions of free convection). Izv.TPI 137:25-28 165.

(MIRA 19:1)

ZAGROMOV, Yu.A.; KOROLENKO, Yu.A.

Heat emission of a vertical row of horizontal pipes in the case of free air convection. Izv.TFI 137:52-58 "55. (MIRA 19:1)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963420010-5 其中14年20年度中的新疆区域的经验 经复数的运动工程设计 1924000 UR/0170/66/010/005/0577/0583 ENT(1) SOURCE CODE: AP6014984 " ACC NRI AUTHOR: Zagromov, Yu. A.; Lyalikov, A. S. ORG: Polytechnic Institute im. S. M. Kirov, Tomsk (Folitekhnicheskiy TITLE: Free convective heat transfer in a horizontal cylindrical slot with a different position of the heat evolving element SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 5, 1966, 577-583 TOPIC TAGS: convective heat transfer, thermodynamic analysis ABSTRACT: The basic elements of the experimental apparatus (shown in a figure) were: a thin walled polished and nickeled copper foil (thickness 0.25 mm), an electric heater consisting of a thick walled polished and nickeled copper tube. The surface temperature of the heater was measured directly by thermocouples welded to the wall of the tube. The convective heat transfer medium was air, All measurements were made under strictly steady state conditions. Based on experimental data, a figure shows the change in the dimensionless temperature for vertical and horizontal displacement. For purposes of comparison an exhaustive table shows relationships proposed by various authors for THE PERSON NAMED IN COLUMN Card 1/2

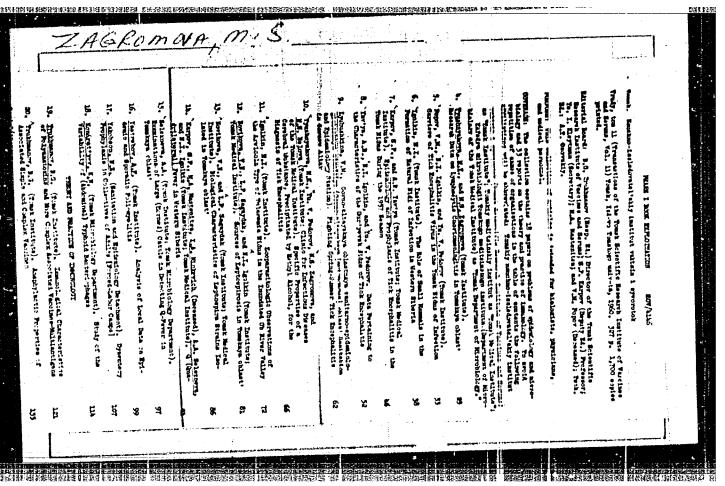
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L'EALIEOT, A.S.; ZAGRIMEN, Yu.A. Free convectional heat transfer in a close() volume during the displacement of the heat emission source. Inv.IFI 137:99-101 '65. (MIRA 19:1)

Trusherakova, M.K.; Fedorcy, Yu.V.; Zacronova, M.S.; Ekiova, F.S.

Specific properties Cerebral diagnosticum precipitated in methyl alcohol in tick-borne encephalitis. Trudy Tomnitys 11: (MIRA 16:2) 66-71 '60.

1. Tomskiy nauchno-issledovatel'skiy institut vektsin i s;vorotok i Klinika infektsionnykh bolezney Tomskogo meditainskogo instituta. (ENCEPHALITIS) (ANTIGENS AND ANTIBODIES) (COMPLEMENT FIXATION)



ZAGROMOVA, M.S.

Preparation of antigens of lymphocytic choricmeningitis for complement fixation reaction. Trudy TomNIIVS 14:25%-257 '63.

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Development of an expedient method of preparing immune serum against the virus of lymphocytic choriomeningitis. Ibid.:258-261 (MIRA 17:27)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsim i syvorotok.

ZAGROMOVA, M.S.

Use of dry sera in complement fixation reaction for the diagnosis of tick-borne encephalitis. Trudy Tom NIIVS 12: 33-36 *60 (MIF.A 16:1.1)

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1. Tomskiy nauchno-issladovatelskiy institut vaktsin i sp-vorotok.

TYUSHNYAKO'/A, M.K.; MYASOYEDOV, V.S.; YEROFEYEV, V.S.; ZAGROHOVA, M.S.

Some data on the incidence and foci of lymphocytic choricmemingitis in Tomsk Province, Trudy Tom NIIVS 12:91.95 *60 (MIRN 16:11)

1. Tomskiy nauchno-issledovatel'skiy institut vaktatin i syvo-notok.

*

TYUSHUYAKOVA, M.K.; ZAGROMOVA, M.S.

是在1900年,1月1日的政府生育日常分别的方式的国际公式的政府,但在1900年的时代的1900年的1900年,1900年,1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1

Research data on lymphocytic charicmeningitis in Tomsk Pravince. (MIRA 16:27 Trudy Tombilive 11:25-32 60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel skiy institut vaktein i syvorotok.

(TOMSK PROVINCE—MESINGITIS) (LIMPHOCITES)

	Production of a diagnostic preparation for the complement firation reaction in tick-borne encephalities. Vop., virus. 5 no. 2:204-208 (MRA 14:4) My-S 160.								
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GAXKEL', L.B.; ZAGRUBSKATA, A.L.; MEYYER, M.N.; MOLOTKOVA, I.A.

Prolonged sleep therapy of temporar, disturbances occurring in oligophrenia. Zhur.nevr.i psikh. 54 no.2:149-152 F '54.

(MIRA 7:3)

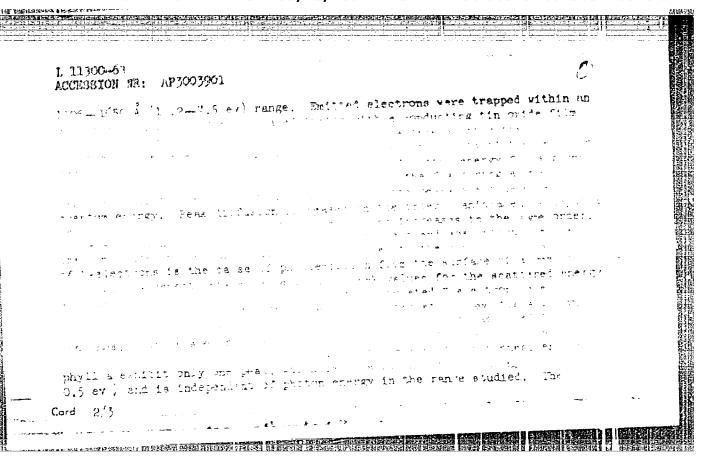
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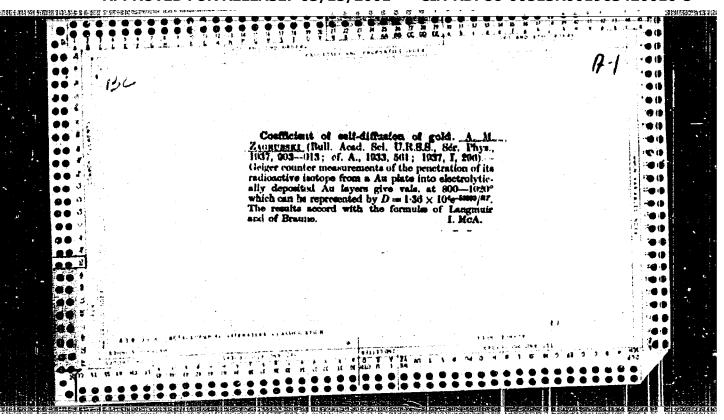
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	ABSTRUCT: This is a continuation of earlier inventigations in the 1600-1000 Å range (DAN 685R v. 141, 1063, 1961), but extended to the 4000-8500 (3.014.5 ev) range. The purpose of the investigation was to identify the mechanism responsible range. The purpose of the investigation was to identify the mechanism responsible	
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	sists of three peaks at photon excitation energies of the peaks at 0.2 ev. The main feat 0.2 ev, and 3 minima at 6.4 ± 0.2, 9.4 ± 0.2, and 12.8 ± 0.2 ev. The main feat twe of this spectrum is the fact that the peaks are equidistent, with the energy difference equal to the width of the forbidden band (3.2 ev). Such a spectrum can difference equal to the width of the forbidden band (3.2 ev).	<u> </u>

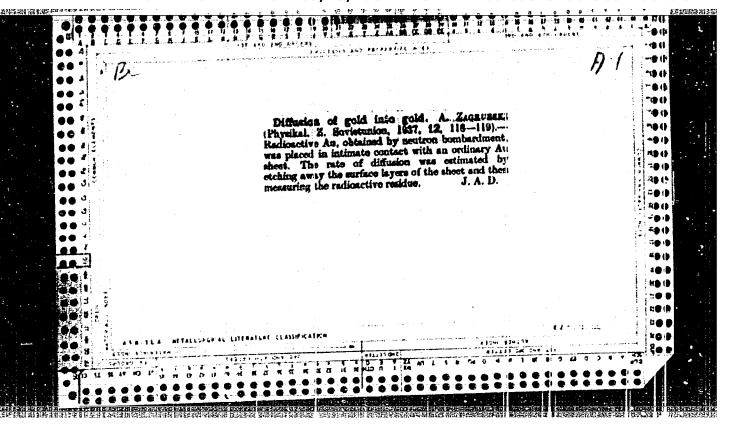
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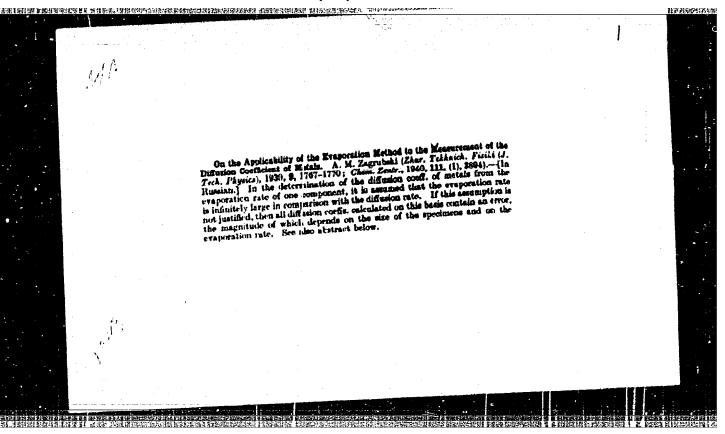


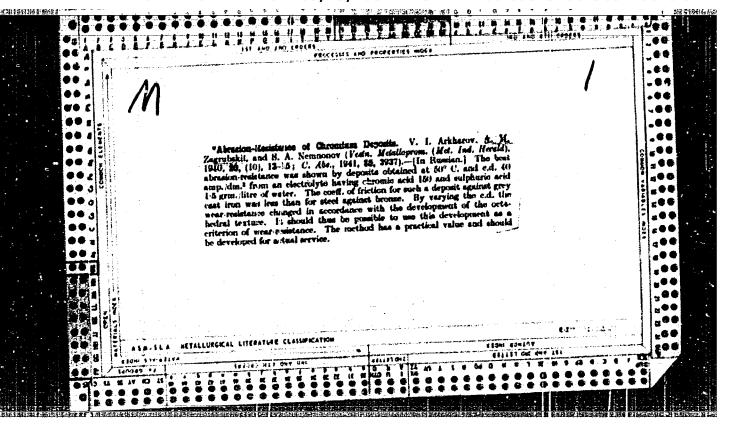
ZAGRUBSKIY, A. M.

Measurement of the Autodiffusion Coefficient of Gold.

Leningrad Industrial Institute, 1939.

So; U-1837, 14 April 52.





ZACRUDNYI, Ivan Vasil'yevich, inzh.-wekhanik; AGEYEV, P.M., red.;

GONCHAROVA, Ye.L., tekhn. red.

[How to obtain high productivity from earthmoving machinery]

Kak proizvoditel'no inpol'zovat' zemleroinye mashiny. Bell
gorod, Belgorodnkoe knizhnoe izd-vo, 1961. 42 p.

(Earthmoving machinery)

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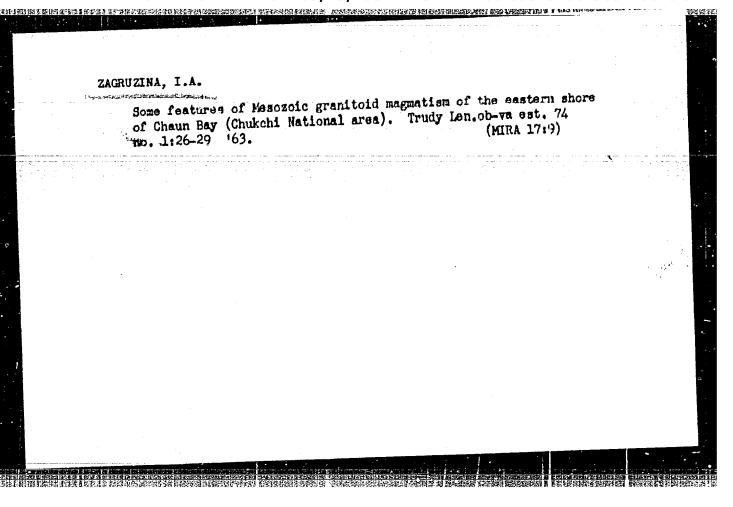
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ZAGRUSHEV, A. A.

Feeding and Feeding Stuffs

Intensive raising and fattening of the young of Simmenthal crossbreeds. Sov. zootekh. 7 no. 9, 1952.

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ZAGRUZINA, I.A.					
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ZAURUZNYY, P.L. Moistening the seeds with radioactive mineral waters before planting. Zenledelie 24 no.1:65-68 Ja '62. (MIRA 15:2) 1. Khmel'nitskaya rayonnaya gosudarstvennaya kontrol'no-semennaya laboratoriya Vinnitskoy oblasti. (Radioactive substances--Physiological effect) (Seeis)

CIA-RDP86-00513R001963420010-5 "APPROVED FOR RELEASE: 03/15/2001

(MIRA 16:10)

ZACRYADSKAYA, A.P. Some possibilities of medicolegal expertise on evidence adhered to the surface of weapons for stabbing and cutting and weapons for stabbing. Sud. -ned. okspert. 6 no.3:2/-27

中 massachanama mananlatanlatanlatanlatan 1920年,1920年

JI-S'63.

1. Kafedra sudebnoy meditsiny (zav. - prof. A.I.Zakonov) Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova.

(CRIMINAL INVESTIGATION)

ZAGRYADSKAYA, A.P.

Some characteristics of stabbing and cutting lesions depending on the mechanism of their formation. Sud.-med.ekspert. 7 no. 2:3-7 Ap-Je 164. (MIRA 17:7)

1. Kafedra sudsbnoy meditsiny (zav. - prof. A.I.Zakonov) Gor'kovskogo meditsinskogo instituta imeni Kirova.

ZAGRYADSKAYA, A. P.

Dissertation: "A Method of Roentgenological Investigation in the Diagnosis of Poiscoing by Salts of Heavy Metals and Metallo-Organic Compounds." Cand Med 3ci, Gor'kiy Medical Inst, Gor'kiy, 1953. (Referativnyy Zhurnal--Khimiya, Moscow, No 6, Mar 54)

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SO: SUM 243, 19 Oct 54

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963420010-5"

ZAGHYADSKAYA, A.P.

Chemical studies in expertise on stab wounds. Sud.-med. ekspert. 4 no.4:32-35 O-N-D '61. (ML:A 14:12)

1. Kafedra sudebnoy meditsing (zav. - pref. I.A.Zakonov) Gor'kovskogo meditsinskogo instituta imeni(S.M.Kirova. (WOUNDS) (CHEMISTRY, FOREMSIC)

A4GRABSTATA, A...

Singuistic possibilities in the histological examination of stabled and cut woods, ind. med. ekspert. 8 ns.1:3-6 Ja-Mr 165.

(Mina 18:5)

1. Kafedra sudebnoy meditsiny (zav. - dotsent A.F. Vagryadskaya)

Gor'kovskogo meditsinskogo instituta imeni Kirova.

"APPROVED FOR RELEASE: 03/15/2001

到排打亞親古蓋出來經過過程的名詞表示是經濟是,經過三年以後完成的過程與何的過程是兩面的的。如此可以們可以可以可以

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EPF(c)/EAT(m)/BDS AFFTC/AFGC L 12294-63 EM/MM Pr-u S/081/63/000/005/051/075 Masagutov, R. M., Berg, G. A., Volkova, L. I., Plotnikova, L. I. Pechnikova, T. N. Zagradakaya, L. M. and Mironov, A. A. AUTHOR: Combinations of preparation of raw material for catalytic crack-TITLE: ing and obtaining of neutralized contact catalyst PERIODICAL: Referativnyy zhurnal, Khimiya. no. 5, 1963, 499, abstract 5P147 (Tr. Bashkirsk. n.-t, in-t. po perorabotko neft,1962, no. 5, 88 - 93) TEXT: At an experimental plant in 2 1 capacity reactor in a mobile layer of bulbous alumosilicated catalyst (KT) at 450° C volume speeds of 0.7, 1.0 and 1.5 hours-1, circulation ratio (KT) 3:1 (index of activity of KT 32 - 33 points) experiments were conducted on cracking of purified (so-called "depleted") gas oils from a plant for producing neutralized contact catalyst (NChk) and extracted vacuum gas oil from a mixture of Shkapov and Romashkin petrolemm. In the catalytic cracking of acid purified gas oil the extraction of coke is lever than in cracking of unrefined gas sils. Gas which forms in cracking of refined gas oil contains more propens-propylene and butane-butylene fractions and less Card 1/2

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Combinations of preparation \$/031/63/000/005/051/075

H2S. Gasoline, extracted in cracking of refined gas oil. contains a smaller amount of S compounds and is more stable during storage. As a result of cracking of refined gas oil a 30 - 40 % fraction of diesel fuel(with centent of S \leq 1 \sigma is extracted. The process is economical, which is indicated by calculations conducted by one of the Ufim oil refineries. A. Nagatkina.

[Abstractor's note: Complete translation]

MASAGUTOV, R.M.; DANILOVA, R.A.; ZAITOVA, A.Ya.; GILYAZEV, N.G.; ZAGRYATSKAYA, L.M.; BUGAY, Ye.O.; PRYAKHINA, K.P.

High-temperature catalytic cracking of heavy fractions of straight-run gasoline. Trudy BashNII NP no.6:14-18 '63" (MIRA 17:5)

DOBROTINA, A.F.; ZAGRYADSKAYA, L.P.

Excretion of estrogenic hormones in some forms of dysfunctional uterine hemorrhage. Akush. 1.gin. no.1:102-107 (65. (MIRA 18:10)

的复数分别,我们就是一个人的,我们就会把我们的人的,我们也会把我们的人的人,我们就是一个人的人的人,我们也是一个人的人的人,我们也没有一个人的人的人,我们就会

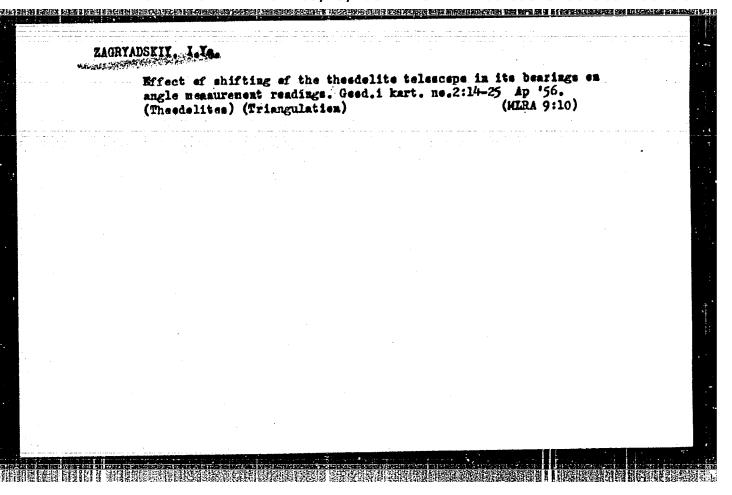
1. Kafedra akusherstva i ginekologii (sav.- prof. S.S. Dobrotin) lechebnogo fakuliteta Gorikovskogo meditsinskogo instituta imeni Kirova.

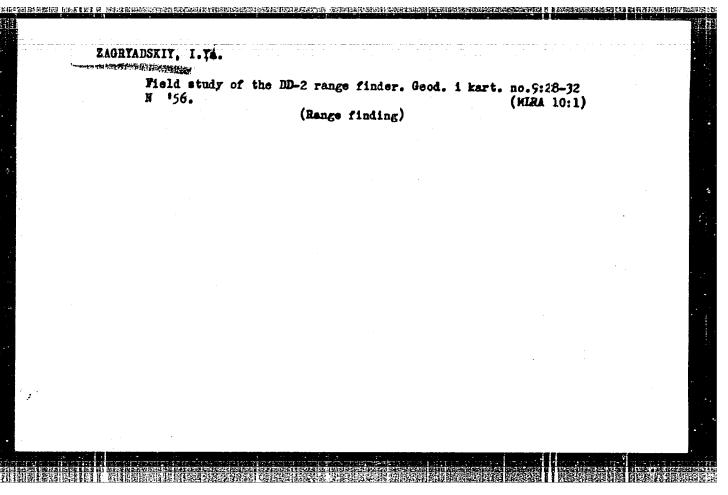
ZAGRYADSKAYA, L.P. Case of a hematoma of the generative tract. Akush. i gim. 39 no.5:11,6 S-0 '63. (MERA 17:8) 1. Iz kafedry akusharstva i ginekologii pediatricheskogc fakul'teta Gor'kovekogo meditsinekogo instituta imeni S.M. Kirova (zav. - prof. S.S. Dobrotin).

ZAGRYADSKAYA, L.P., vrach

Intra-arterial transfusion of blood in obstetrical practice; according to data from the maternity homes in Gorkiy. Sbor. nauch. rab. Isf. akush. i gin. GMI no.2:60-62 '60. (MIRA 15:4)

1. Rodil'nyy dom No.l g. Gor'kogo. Nauchnyy rukovoditel' prof. G.K. Cherepakhin, glavnyy vrach M.N.Bykov.
(OBSTETRICS) (BLOOD—TRANSFUSION)
(DEATH, APPARENT)





BHAPIRO, M., inzh.; ZACRYADSKIY, V., inzh.; LEVINSKIY, L., inzh.

Production line manufacture of thin-walled reinforced commete shells. Na stroi. Ros. no.10:31-32 0 '61. (MIRA 14:11) (Roofs, Shell)

[2] 相互联合制设备(8) 带通电话形式电影中国主义的经验的全国主义是一种通过运动的主义。第三分形式的现在分词 医外侧角 医动物 医外侧角 计算证 多种 美国英雄的 网络拉拉克斯克斯特斯

KOHNILOV, Aleksandr Ivanovich; MININ, V.F. [deceased]; ZINOV'YEV,
Anatoliy Yakovlevich; ZACRYADSKIY, Vasiliy Ivanovich;
KALININ, O.V., red.; FREGER, D.P., red. izd-vc; BELOGUROVA,
I.A., tekhn. red.

[Mesh-reinforced concrete roofs for industrial buildings; experience of the "Orgtekhstroi" Trust and Trust No.44 of the Administration of Construction of the Leningrad National Economic Council]Armotsementnye pokrytiia dlia promyshlemnykh zdanii; iz opyta raboty tresta "Orgtekhstroi" i tresta No.44 Upravleniia stroitel'stva Lensovnarkhoza. Leningrad, 1962.

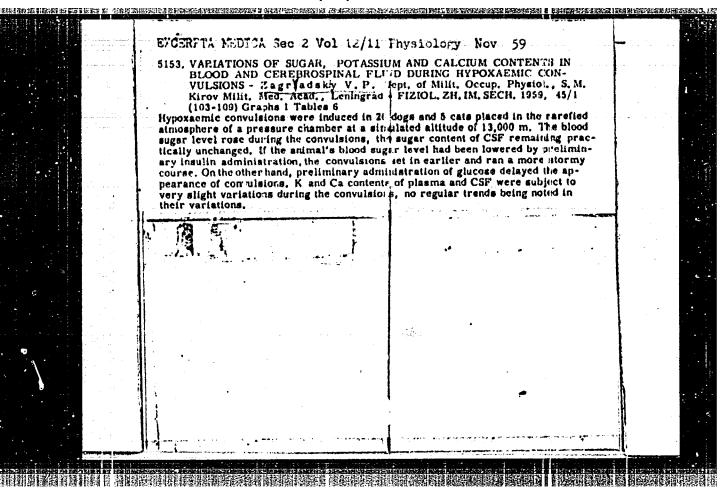
16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: "Stroitel'naia promyshlennost'," no.5)

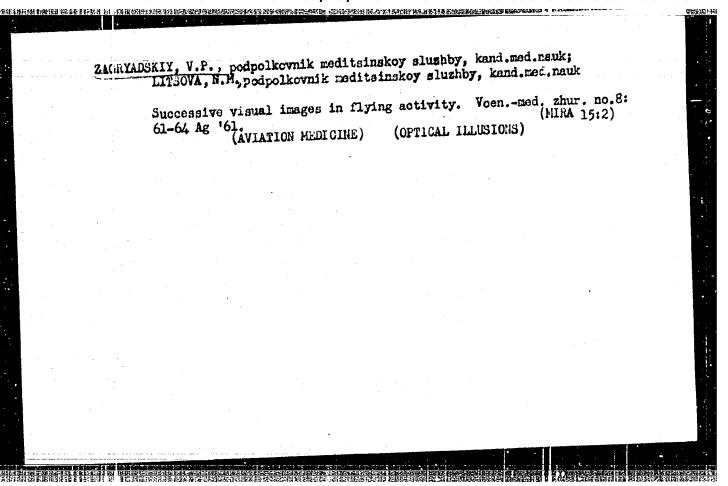
(MIRA 15:8)

ZAGTYADELY, V. F., GUSACHERRO, I. V. and CHULOVSKIY, L. K.

"Comparative Characterization of the Effect of Phenamene and Fienatine",
Voyenno-medits. zhur., No. 1, pp &1-45, 1955.

Perbutim translation D 312227, 18 Aug 1955





ZAGRYADSKIY, V. P., IMANGULOV, R. G. and LISTOVA, N. M.

"The Gas Exchange and Energy Consumption of the Hen in the Rifle Units Engaged

Voyeano Meditsinskiy Zhurnal, No. 4, 1962

in Tactical Exercises".

ZHELUDKOVA, T.N.; ZAGRYADSKIY, V.P.; SULIMO-SAMUYII.O, Z.K.

Effect on the organism of a prolonged exposure to a gaseous medium with increased carbon dioxide content. Funk. org. v usl. izm. gaz. grady 3:187:192 164. (MIRA 17:11.)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963420010-5

SOURCE CODE: UR/0177/66/000/007/0055/0057 ENT(1) SCTB DD

AUTHOR: Zagryadskiy, V. P. (Lieutenant colonel; Medical corps; Doctor of medical sciences); Sidorov. O. Yu. (Lieutenant colonel; Medical corps; Candidate of medical sciences); ACC NR. AP602"251

Sulimo-Samuyllo, Z. K. (Candidate of biological sciences)

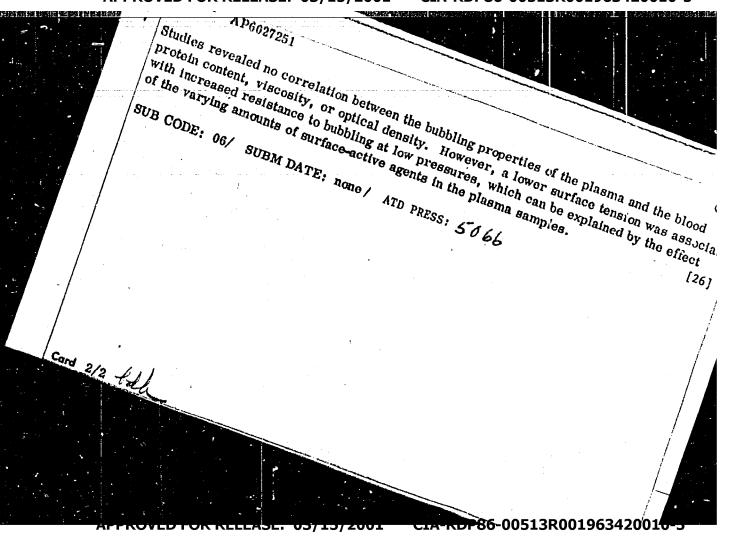
TITLE: Some characteristics of the bubbling of human blood plasma at low barometric pressure

SOURCE: Voyenno-meditsinskiy zhurnal, no. 7, 1966, 55-57

TOPIC TAGS: decompression sickness, blood plasma, human physiology

ABSTRACT: In an attempt to explain individual variations in susceptibility to decompression sickness, 0.5 ml samples of blood plasma from 370 healthy young subjects of both sexes were studied for bubbling during reduction of the ambient pressure (simulated climb to an altitude of 10,000 m in 40 sec, followed by 10 min at this altitude during which time the number of bubbles forming per minute was noted). In samples of plasma from 209 subjects, bubbles first appeared at altitudes anywhere from 1 to 10 km (mean = 5.42 ± 2.32 km with most samples falling in the range from 4 to 6), but in 14 samples no bubbles appeared even at 14-18.5 km. On the basis of the number of bubbles formed, the plasma samples were classified into 4 groups, ranging from a "silent" type which does not bubble to a type which "explodes" into bubbles all at once. UDC: 616-001.12-07:616.15-07

Card 1/2



L 05815-67 ACC NRI

AP6033918 (N) SOURCE CODE: UR/0177/66/000/010/0058/0061

AUTHOR: Zagryadskiv. V. P. (Lieutenant colonel, Medical corps; Candidate of medical sciences); Sidorov. O. Yu. (Lieutenant colonel, Medical corps; Candidate of medical sciences); Sulimo-Samuyllo, Z. K. (Candidate of biological sciences)

ORG: none

TITLE: Changes in human organic functions and working capacity depending on rate of increase of carbonic acid content in a hermetically sealed room

SOURCE: Voyenno-meditsinskiy zhurnal, no. 10, 1966, 58-61

TOPIC TAGS: medical research, medical experiment, carbonic acid

ABSTRACT: An investigation was made of human organic functions and working capacity in relation to prolonged (several hours) increase of carbonic acid concentration in hermetically sealed rooms. A group of young men unfit for military service were the subjects of 110 investigations. It was shown that the lower the rate of increase of carbonic acid concentration in the inhaled air of a hermetically-sealed room, the more gradual, complete, and perfect the action of the compensatory mechanisms in the human body. It was concluded that under conditions of relative

Card 1/2

UDC: 612, 234;62, 213, 4

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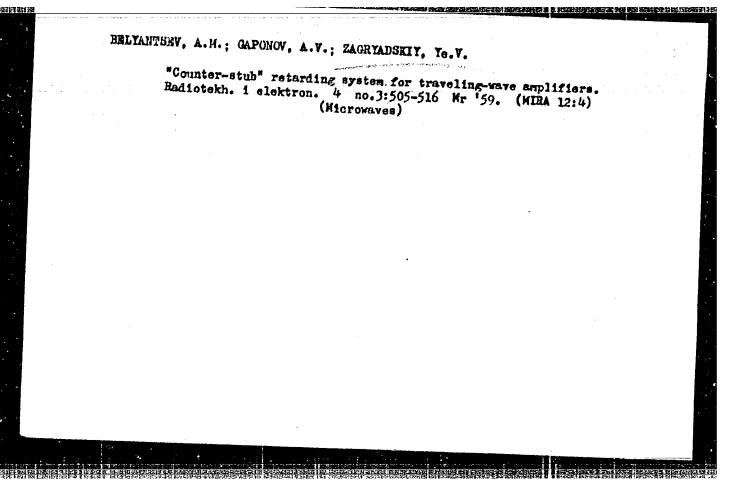
ACC NR, AP6033918

tranquility (hypodynamy) and moderate mental activity, the human organism can gradually compensate (in 2-5 hr) for the adverse effect of carbonic acid concentration as high as 5.5-6%, and can maintain satisfactory working ability. Elimination of hypoxy by increasing oxygen pressure to 21% improved working ability. Elimination abily. A supply of bottle oxygen must therefore be reserved in hermetically sealed rooms in case the air-changing system fails. Human reserves decrease steadily physical load, or the simultaneous action of factors such as high temperature, accelerate the deterioration of the operation of the compensatory mechanism and permissible concentrations of carbonic acid in hermetically sealed rooms must be smaller. Further studies of this problem are suggested. Orig. art. has: 3 figures.

SUB CODE: 06,05/ SUBM DATE: none/

ACC NR. A16036565 SOURCE CODE: UR/0000/66/(000/000/0175/ THOR: Zagryadskiy, V. P.; Sidorov, O. U.; Sulimo-Samuyilo, Z. K. TITLE: Effect of an altered gas medium on the development and course of Adecompression sickness [Paper presented at the Conference on Problems of Space SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditainy. (Problems of space medicine); materialy konferenteii, TOPIC TAGS: hypercapnia, decompression sickness, aeroembolism ABSTRACT: The effect of hypercapnia on the incidence and course of decompression disorders was studied in acute and chronic experiments on dogs and rats. Animals exposed to atmospheres containing 5%, 7%, and 9% CO2 were subjected to decompression from 760 mm Hg to 198 mm Hg in 2.5 to 3 min. (with pO2 maintained at 143 mm Hg). A special double cannula captured the bubbles formed in the dogs' blood. The intensity and rate of bubble formation was compared with that in air-breathing controls subjected to Card 1/2

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	Rats were min on a 4	The state of the s		
pres	Rats were run on a treadmill at moderate spee sion. Incidence, severity, and onset time of de- ctoms were compared with	da 10 main a	•	0
symp	sion. Incidence, severity, and onset time of determined where compared with controls.	ecompression at the	om-	
	randa with controls.	Preserving Blown	less ;	
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during	t was found that preliminary exposure to hyper ted in more rapid and more intensive formation g barometric pressure drops. Moderate physicidence and seventh the onset of decompression	capnia atmosphere	3	
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	ncidence and severity over the controls. [W.A. DE: 06 / SURM DATE: COMay66	sickness, and incr No. 22; ATD Report (cased [66-116]	
	odvority over the	sickness, and incr No. 22; ATD Report	cased 66-116]	
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06339 SOV:141-2-1-11/19 AUTHORS: Bravo-Zhivotovskiy, D.M., Yeremin, B.G., Zagryadskiy, Miller, M.A. and Mochenev, S.B. TITLE: Experimental Study of the Motion of Electron Beams in Ye.V. Weakly Non-uniform High-frequency Fields PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1959, Vol 2, Nr 1, pp 94 - 100 (USSR) ABSTRACT: It has been shown in previous papers (A.V. Gaponov, M.A. Miller - Refs 1-3) that non-relativistic motion of a changed particle in a weakly non-uniform field can be represented as the superposition of an oscillation with the frequency of the external field r⁽¹⁾(t) and a motion averaged over the period of that r(0)(t). These components obey Eqs (2) and field, (3) and since the r.h.s. of Eq (2) contains the electric potential vector the averaged motion of a particle is completely defined by the initial conditions and the form of the high-frequency potential $\Phi(\mathbf{r})$. The equations are best proved by studying the passage of an electron beam through a high-frequency potential barrier. Card1/4

Experimental Study of the Motion of Electron Beams in Weakly Non-141-2-1-11/19 uniform High-frequency Fields

The experiments demonstratel deflection of charged particles along the slope of the barrier; reflection from the barrier; high-frequency focusing. It should be possible to study the first effect in an ordinary multi-cavity magnetron working in the n-mode. Such measurements are hindered by a discharge which arises even in a cold magnetron when a high enough power is introduced. In a cold magnetron without magnetic field, the electrons appearing as a result of ionisation must slide down the slope of the potential barrier to the cathode and faster ions will arise there, the height of whose potential barrier is, from Eq (2), $(m_i/m_e)^2$ times less. Thus, a high-frequency impulse, introduced into a cold magnetron, will produce in the anode-cathode circuit a current pulse of reverse sign with an extended near flank. Measurements have been made by applying a positive voltage to the anode to compensate

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963420010-5"

Gard2/4 for the discharge current, with a typical result as in

Experimental Study of the Motion of Electron Beams in Weakly Non-

Figure 1. This demonstration is only qualitative since the curve of Figure 1 should be linear. Reasons suggested for the non-linearity are: tunnel-effect, distortion of potential barrier, interaction between electrodes and particle-source in the interaction space. The reflection of electrons from a potential barrier has been studied using the special arrangement of Figure 2 in which a beam of elections traverses the centre of a waveguide resonator. The resonator is excited with 1 usec pulses of power at 60 Gc/s. The height of the potential barrier is measured by the negative compensating pulse applied to the cathode of the electron gun. The graphs of Figure 3 are experimental results which agree with the theoretical expectations of Eqs (5) and (6) to better than the experimental error of 7%. The possibility of focusing a rectilinear electron beam has been demonstrated using a form of travelling-wave tube with a helical delay line of mean diameter 5.9 mm, wire diameter 0.3 mm, pitch 0.63 mm. The wavelength was 10 cm. The focusing of the

Card3/4

06339

Experimental Study of the Motion of Electron Beams in Weakly nonuniform High-frequency Fields

electron beam was indicated by the appearance of collector current with high-frequency power sent along the helix. The transverse velocity within the beam could be changed by applying a constant transverse magnetic field over a short length of the flight path. The relation between the limiting transverse velocity of electrons and the power necessary to confine them within the limits of the helix is Eq (8) and the experimental result of Figure 4 shows excellent agreement. V.A. Flyagin and V.A. Lopyrev assisted in preparation of the apparatus. There are 4 figures and 7 references, 6 of which are

ASSOCIATION:

Issledovatel skiy radiofizicheskiy institut pri

Gor'kovskom universitete (Radiophysics Research Institute

SUBMITTED:

October 31, 1958

Vard 4/4

SOV/109---4-3-22/38 AUTHORS: A.M. Belyantsev, A.V. Gaponov, M.V. Zagryadskiy TITLE

A Delay System of the "Counter-Stub" Type for Travelling-Wave Amplifiers (Zamedlyayushchaya sistema tipa

"Vstrechnyye shtyri" dlya usiliteley s begushchey volnoy) PERIODICAL: Radiotekhnika i Elektronika, Vol 4, Nr 3, 1959,

AESTRACT: The possibility of employing a counter-stub system (of the type illustrated in Fig 1) was mentioned by Fletcher in 1952 (Ref 1). Here the problem is investigated in some detail. It is assumed that a counter-stub system of the type shown in Fig 1 can be represented by means of an equivalent circuit which consists of a parallel-conductor transmission line with capacitances connected across the line at spacings 1. The circuit is shown in Fig 3. The scattering equation of the system is given by:

 $\cos \varphi = \cos kl \left(1 + \frac{C_0 + \widetilde{C}_0}{2C_1}\right) - \frac{kC_T}{2C_1}$ (1)

Card 1/5 where k is the wave number, 1 is the length of the stubs, C_0 and \overline{C}_0 are the capacitances between the

A Delay System of the "Counter-Stub" Type for Fravelling-Wave

stubs and the "base", respectively; C₁ is the capacitance between neighbouring stubs (per unit length); joC_T = jB_T is the equivalent capacitance of a node. The above circuit does not take into account the cross-coupling capacitances of the system. If these capacitances are taken into account, the equivalent circuit becomes more complicated and is in the form of the diagram shown in Fig 4. For this case the characteristic equation of the system is given by:

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 $tg^{2} \frac{kl}{2} = \frac{C_{0} + 4 \sum_{n=1}^{m+1} C_{n} \sin^{2} \frac{nq}{2}}{\frac{m+1}{c_{0}} + 4 \sum_{n=1}^{m} C_{n} \sin^{2} \frac{n}{2} (\varphi + \pi)}$ (2)

where C_n is the capacitance (per unit length) between the stubs which are situated at distances nD/2 from each other. The summation in Eq (2) is carried out up to the values of n such that the exoss-coupling capacitances

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A Delay System of the "Counter-Stub" Type for Travelling-Wave

become negligible. For the counter-stub system in which the "hairpins" are displaced vertically (see Fig 2) or with "hairpins" whose teeth have different cross-sections (see Fig 5), the scattering equation is given by Eq (4). The meaning of the various symbols in Eq (4) should be clear from Fig 5. The scattering curves for two different systems with displaced and differing "hairpins" are shown in Figs 6 and 7. Fig 6 corresponds to the system with similar but displaced "hairpins"; curves (1) and (3) of the figure are corroborated by some experimental points. Fig 7 illustrates a system in which the "hairpins" have different cross-sections. It was found that a decrease in the scattering and an increase in the transmission bandwidth of the system could be obtained, if one of the "hairpins" was removed (screened) from the "base". Examples of such systems are illustrated by the scattering curves of Fig 8. The relative magnitude of the electric field in a counter-stub system can be represented by the so-called interaction impedance or coupling impedance. This is defined by:

Card 3/5

A Delay System of the "Counter-Stub" Type for Travelling-Wave Amplifiers

 $K_{\alpha\beta}^{m} = \frac{E_{\alpha}^{m} E_{\beta}^{m}}{2h_{m}^{2} P} , \qquad (6)$

1980年 1984年 1985年 1985年

where E_{C}^{m} and E_{S}^{m} are the spatial harmonics of the electric field component, which interact with the electron beam of the system; h_{m} is the propagation constant of the m-th harmonic, while P is the power carried by the wave. The coupling impedance of the circuit shown in Fig 3 is given by Eq (10'), where the first term is defined by Eq (10"). The coupling impedance of the system shown in Fig 7, in which the first fundamental harmonic is "separated", is given by Eq (14'). On the other hand, in the systems where the "hairpins" are displaced in the horizontal plane, the impedance is also given by Eq (14'), except that the amplitude is represented by Eq (15). The amplitudes of the coupling impedance for the first harmonic of the system shown in Fig 7 is illustrated in Fig 10. Fig 11 shows the coupling impedance of a system with horizontally displaced

Card 4/5

301/109- --4-3-22/38 A Delay System of the "Counter-Stub" Type for Travelling-Wave

Amplifiers

"hairpins". The coupling impedance of the system was also measured experimentally, and the results are shown by the lower curve of Fig 12; the upper curve of Fig 12 was calculated; this is in poor agreement with the experimental data which is not surprising since Eqs (13) and (14) should be regarded as comparatively rough approximations. On the basis of the above analysis, it is concluded that the counter-stub systems with separated fundamental waves can be successfully employed in travelling-wave amplifiers operating at cm wavelengths. The method of evaluating the dispersion characteristics proposed by the author is comparatively simple and is sufficiently accurate for most practical applications.

Card 5/5 There are 12 figures and 5 references, 2 of which are

English, 2 Soviet and 1 French.

SUBMITTED: July 9, 1957

BRAVO-SHIVOTOVSKIY, D.M.; YEREMIH, B.G.; ZAGRYADSKIY, Ye.V.; AILIER, M.A.; Mochenev, S.B.

Experimental study of electron-beam motion in slightly inhomogenous high-frequency fields. Izv.vys.ucheb.sav.; radiofiz. 2 no.1:94-100 159. (MIRA 12:10)

1. Issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitate.

(Blectron beams)

ZAGRYATSKIY, I.V.: FROLOV, I.K.; KISELEV, S.K.

Drying enameled ware by combustion gases. Prom.energ. 11 no.8: 19-21 Ag '56. (MERA 9:11) (Enameled ware) (Drying apparatus)

VARFOLOMEYEV, D.F.; BUGAI, Ye.A.; DUDIN, V.N.; ZAGRYATSKAYA, L.M.; ANTIPIN, M.K.; MARKINA, A.I.; PÓLINSKAYA, M.R.;

Recovering spent caustic using flue gases. Trudy Bash NIINP no.5: (MIRA 17:10)

1. Ordena Lenina Ufimskiy neftepererabatyvayushchiy zavod.

5/196/61/000/011/030/042 E194/E155

AUTHOR:

Zagryadtskiy, V.I.

TITLE:

Parallel operation of asynchronous frequency

经上线时期,但是在10年,19年1日,1992年11日,1

convertor

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.11, 1961, 27, abstract 111 206. (Tr. Gorikovsk.

politekhn. in-ta, v.16, no.5, 1960, 67-71)

Asynchronous frequency-convertors which are usually TEXT: driven by induction motors can operate in parallel just like a.c. transformers or generators. They may be paralleled to similar machines already running without employing any synchronising equipment. The asynchronous frequency-convertors easily pull into step despite the difference between instantaneous values of e.m.f. provided that the difference between secondary frequencies does not exceed 4-5%. Asynchronous frequency-convertors in parallel are very stable, and reducing the field voltage to 0.1-0.15 of rated value does not disturb their operation. Load currents are distributed between

Card 1/2

ANTESTING NEWFOLD (IN CONC.) IN CONTROL OF THE CONT

Parallel operation of asynchronous .. S/196/61/000/011/030/042 E194/E155

asynchronous frequency-convertors in inverse proportion to their short-circuit voltages and in direct proportion to the rated output. 4 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

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"Welded Joints of Concrete-Reinforcing Round Rods,"
A. A. Zagryazhskiy, Engr

"Gidrotekh Stroi" No 1, pp 14-17

Discusses test results of various types of welded joints: butt joint with circular seam, bent clay, thrown-on hook, close shackle and flat plate. Tabulates end analyzes results as to max strength, comparative metal consumption, or facility of fitting rods to each other.

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